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PLAGUE-PREVENTION WORK.

INFECTED GROUND SQUIRRELS.

During the week ended April 8, 1911, the finding of 5 plague-infected ground squirrels was reported as follows: In Alameda County, Cal., March 22, 1 squirrel at Quinn ranch, $3\frac{1}{2}$ miles northeast of Haywards, and March 25 and 29, each, 1 squirrel at M. J. Cull ranch, $7\frac{1}{2}$ miles north of Haywards; in Stanislaus County, Cal., March 29, 1 squirrel at Miller ranch, 3 miles south of Ripon, and 1 at Frederick's ranch, $1\frac{1}{2}$ miles north of Modesto.

DISTRIBUTION OF POISON.

In connection with the making of a squirrel-free zone around the cities in California on San Francisco Bay 365 acres of land in Alameda County were covered with poison during the week ended April 8, 1911.

Record of Plague Infection.

Places.	Date of last case of human plague.	Date of last case of rat plague.	Date of last case of squirrel plague.	Total number of rodents found infected since May, 1907.
California:				
Cities—				
San Francisco.....	Jan. 30, 1908.....	Oct. 23, 1908.....	None.....	398 rats.
Oakland.....	Oct. 26, 1909.....	Dec. 1, 1908.....	do.....	126 rats.
Berkeley.....	Aug. 28, 1907.....	None recorded.....	do.....	None.
Los Angeles.....	Aug. 11, 1908.....	None.....	Aug. 21, 1908.....	1 squirrel.
Counties—				
Alameda (exclusive of the city of Oakland).	Sept. 26, 1909.....	Wood rat, Oct. 17, 1909.....	Mar. 29, 1911.....	98 squirrels.
Contra Costa.....	July 21, 1908.....	None.....	Sept. 10, 1910.....	1 wood rat.
Merced.....	None recorded.....	do.....	June 6, 1910.....	247 squirrels.
Monterey.....	do.....	do.....	do.....	2 squirrels.
San Benito.....	June 5, 1910.....	do.....	July 11, 1910.....	4 squirrels.
San Joaquin.....	None recorded.....	do.....	Jan. 9, 1911.....	20 squirrels.
San Luis Obispo.....	do.....	do.....	Jan. 29, 1910.....	11 squirrels.
Santa Clara.....	Aug. 23, 1910.....	do.....	Oct. 5, 1910.....	1 squirrel.
Santa Cruz.....	None recorded.....	do.....	May 17, 1910.....	23 squirrels.
Stanislaus.....	do.....	do.....	Mar. 29, 1911.....	3 squirrels.
Washington:				
Seattle.....	Oct. 30, 1907.....	Feb. 8, 1910.....	None.....	7 squirrels.
				22 rats.

Rats Collected and Examined for Plague Infection.

Places.	Week ended—	Found dead.	Total collected.	Examined.	Found infected.
California:					
Cities—					
Berkeley.....	Apr. 8	.....	1103	60	.....
Oakland.....	do.....	33	2510	389	.....
San Francisco.....	do.....	25	31,384	937	.....
Counties—					
Merced.....	do.....	.....	44	4	.....
Santa Clara.....	do.....	.....	51	1	.....
Washington:					
Cities—					
Seattle.....	do.....	.....	1,161	987	.....
Total.....		58	3,163	2,378	.....

¹ Identified, *Mus norvegicus* 73, *Mus musculus* 30.² Identified, *Mus norvegicus* 441, *Mus rattus* 4, *Mus musculus* 65.³ Identified, *Mus norvegicus* 839, *Mus rattus* 122, *Mus musculus* 305, *Mus alexandrinus* 118.⁴ Identified, *Mus norvegicus* 3, *Mus musculus* 1.⁵ Identified, *Mus musculus* 1.

Squirrels Collected and Examined for Plague Infection.

Places.	Week ended—	Trapped and shot.	Found dead.	Examined.	Found infected.
California:					
City—					
San Francisco.....	Apr. 8	1	.....	1	.....
Counties—					
Alameda.....	do.....	1	.....	209	3
Butte.....	do.....	29	.....	29	.....
Colusa.....	do.....	56	.....	56	.....
Contra Costa.....	do.....	55	.....	55	.....
Fresno.....	do.....	83	.....	83	.....
Imperial.....	do.....	270	.....	266	.....
Kern.....	do.....	21	.....	21	.....
Los Angeles.....	do.....	303	.....	282	.....
Madera.....	do.....	146	.....	146	.....
Mariposa.....	do.....	249	.....	249	.....
Merced.....	do.....	101	.....	101	.....
Monterey.....	do.....	640	.....	640	.....
San Joaquin.....	do.....	459	1	460	.....
San Luis Obispo.....	do.....	469	.....	468	.....
Santa Barbara.....	do.....	47	.....	47	.....
Santa Clara.....	do.....	253	.....	253	.....
Stanislaus.....	do.....	249	.....	249	2
Yolo.....	do.....	57	.....	57	.....
Total.....		3,489	1	3,673	5

Other Animals Collected and Examined.

Places.	Week ended—	Animals collected.	Examined.	Found infected.
California:				
Counties—				
Alameda.....	Apr. 8	1 rabbit.....	1	.....
Butte.....	do.....	do.....	1	.....
Contra Costa.....	do.....	do.....	1	.....
Fresno.....	do.....	4 rabbits.....	4	.....
Kern.....	do.....	13 kangaroo rats.....	13	.....
Madera.....	do.....	11 rabbits.....	11	.....
Mariposa.....	do.....	do.....	11	.....
Merced.....	do.....	1 rabbit.....	1	.....
Monterey.....	do.....	3 rabbits, 1 mole, 5 weasels, 1 owl.....	9	.....
San Joaquin.....	do.....	20 rabbits, 4 weasels.....	24	.....
San Luis Obispo.....	do.....	15 rabbits.....	15	.....
Santa Clara.....	do.....	1 rabbit, 9 gophers.....	10	.....
Stanislaus.....	do.....	10 rabbits, 1 gopher.....	11	.....
Yolo.....	do.....	5 rabbits.....	5	.....
Total.....			117	.....